

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L9	0	pressure adj eqlization adj grrove\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/23 12:17
L10	0	pressure adj eqlization adj groove\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/23 12:17
L11	65	pressure adj equalization adj groove\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/23 12:17
L12	32	11 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/23 12:17
S1	1751	(251/324,325).CCLS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/08 10:09
S2	495	S1 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/08 10:10
S3	132	S2 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/08 10:10
S4	407	137/538	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/08 10:19
S5	495	S2 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/08 10:19
S6	132	S5 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/08 10:19
S7	156	S4 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/08 10:19

S8	106	S7 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/08 10:20
S9	344	417/300	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/08 10:26
S10	10	("20050161278"   "20060070792"   "20060175122"   "4463819"   "5778756"   "6478549"   "6543473"   "6546839"   "6659127"   "6779625").PN. OR ("7428945").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 10:42
S11	12	("4320812"   "4343324"   "4400938"   "4420934"   "4505293"   "4534435"   "4577728"   "4716982"). PN. OR ("4887632"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 10:51
S12	19	("3415226"   "3426785"   "3547559"   "3620646"   "4047846").PN. OR ("4396033").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 11:03
S13	34	137/115.05	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 11:12
S14	8	("20010004953"   "4361166"   "4691797"   "5192196"   "5832949"   "6058962"   "6148947"   "6871661").PN. OR ("7249608").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 11:13
S15	331	(flow near2 control\$3 near2 valve) same (steering near2 pump)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 11:20
S16	1	("4267897").PN. OR ("7251933").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 11:24
S17	8	("20010004953"   "4361166"   "4691797"   "5192196"   "5832949"   "6058962"   "6148947"   "6871661").PN. OR ("7249608").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 11:25
S18	13	"6039017"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/26 16:20
S19	2	"20070243080"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/26 16:43

S20	4896	power near2 steering near2 pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/26 16:45
S21	232	S20 and (pilot with valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/26 16:46
S22	25214	"1" and (power near2 steering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/26 17:19
S23	1759	(251/324,325).CCLS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/26 17:20
S24	6	S23 and (power near2 steering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/26 17:20
S25	1056	(power near2 steering) and "137".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/26 17:21
S26	463	S25 and pump and valve and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/26 17:22
S27	1759	(251/324,325).CCLS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/27 11:14
S28	499	S27 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/27 11:14
S29	482	S28 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/27 11:14
S30	499	S28 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/27 11:31
S31	877	steering with pump with valve with piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/27 11:53
S32	6	"5513672"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/27 12:23

S33	275	137/625.38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/27 12:36
S34	9	("3314495"   "4311161"   "4361166"   "5038822"). PN. OR ("5513672"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/30 16:00
S35	5	("4396033"   "4570667"). PN. OR ("5832949"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/30 16:02
S36	9	("2279176"   "2755741"   "2797550"   "3366065"). PN. OR ("4360322"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/30 16:03
S37	10	("3319653"   "3710824"   "3779133").PN. OR ("3978879").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/30 16:03
S38	1759	(251/324,325).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/06 12:51
S39	0	("15andpump").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/06 12:51
S40	213	S38 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 12:51
S41	80	(steering same pump same piston) and "251". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:11
S42	35	S38 and (outflow or external or discharge ) near2 (groove or orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:20
S43	9	radial\$3 near2 expand\$3 near3 (outflow or external or discharge )near2 (groove or orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:23
S44	293	conical near3 (outflow or external or discharge ) near2 (groove or orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:26
S45	124	S44 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:26

S46	2035	expand\$3 adj (groove or orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:35
S47	537	S46 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:35
S48	155	S47 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:35
S49	203	S47 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:43
S50	53688	flow adj control adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:57
S51	273	S50 and (steering adj pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 13:57
S52	2	"20050186094"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 14:22
S53	43	("1163046"   "2389614"   "2958398"   "3314495"   "3335825"   "3349714"   "3406794"   "3680667"   "3752601"   "3850269"   "3889783"   "4047846"   "4128148"   "4135436"). PN. OR ("4311161"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/06 14:57
S54	401	(417/110,115,10).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/04/06 15:15
S55	0	S54 and (steering adj pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:15
S56	0	S54 and steering	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:15
S57	223	S54 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:16

S58	80	S57 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:16
S59	30	("1229885"   "2697915"   "2912000"   "2912001"   "3421547"   "3542155"   "3580275"   "3725990"   "3735777"   "3854496"   "3895647"   "4287912"   "4365648"   "4675003"   "4700741"   "4736768"   "5299598").PN. OR ("6244295").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/06 15:35
S60	1277	S50 and (steering with pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:36
S61	572	S60 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:36
S62	65	S60 and (piston with groove)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:37
S63	0	cylindrical adj (inflow or intake) adj orifice	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:43
S64	2	cylindrical adj (inflow or intake) adj orifice	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:44
S65	425	cylindrical with (inflow or intake) with orifice	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:45
S66	66438	"125" and valve and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:45
S67	101	S65 and valve and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:45
S68	346	417/300	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:49

S69	4	S50 and (axial near2 (inflow or intake)) same (radial near2 (outflow or discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 15:52
S70	4	("1868811").URPN.	USPAT	OR	ON	2009/04/06 16:11
S71	6	"5513672"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 16:52
S72	30	("1229885"   "2697915"   "2912000"   "2912001"   "3421547"   "3542155"   "3580275"   "3725990"   "3735777"   "3854496"   "3895647"   "4287912"   "4365648"   "4675003"   "4700741"   "4736768"   "5299598").PN. OR ("6244295").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/06 17:11
S73	2	"20070243080"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/06 17:29
S74	2	"20070243080"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/04/07 09:44
S75	10	("4251193"   "4311161"   "4361166").PN. OR ("4549566").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 13:46
S76	139134	flow near2 (control\$3 or regulat\$3) near3 valve	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 14:08
S77	46411	S76 and piston	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 14:08
S78	190316	flow near2 (control\$3 or regulat\$3) near3 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 14:09
S79	50772	S78 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 14:09
S80	27858	S79 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 14:10
S81	1223	S80 and (power near2 steering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 14:10

S82	8	S81 and (axial near2 (inlet or inflow or intake))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 14:11
S83	20	"5369960"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 14:17
S84	7	("2395824"   "3366065"   "3433240"   "3656870"). PN. OR ("5431183"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 14:39
S85	402	251/325	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 16:59
S86	110	S85 and pump	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 16:59
S87	608	251/324	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 17:20
S88	568	S87 not S86	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 17:20
S89	139	S88 and pump	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 17:20
S90	9	("3589401"   "4000785"   "4760892").PN. OR ("4923170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 17:25
S91	190316	flow near2 (control\$3 or regulat\$3) near3 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 17:36
S92	12	S91 with (external near2 groove)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 17:36
S93	3212	S91 and (variable near2 orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 17:39
S94	2058	S93 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 17:39
S95	458	S94 and steering	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 17:39
S96	8	("3915186"   "4182354"   "4917139"   "5038822"   "5513672"   "5685146"). PN. OR ("6041807"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 17:44



S97	1013	(axial near2 (inlet or intake)) and (radial near2 (outlet or exit or discharge))	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 18:13
S98	229	S97 and pump and valve	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 18:14
S99	19	("3415226"   "3426785"   "3547559"   "3620646"   "4047846").PN. OR ("4396033").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 18:24
S100	5	"5513672"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 18:29
S101	6	"5513672"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 18:29
S102	9	("3589401"   "4000785"   "4760892").PN. OR ("4923170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 18:32
S103	366	417/545	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 18:38
S104	8	("3549015"   "3981625"   "5127804"   "5433136"   "5494410"   "5494411"   "5690016").PN. OR ("6270327").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 18:47
S105	349	417/552	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 19:00
S106	258	S105 not S103	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 19:00
S107	11	"5800146"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 19:34
S108	14	"5133647"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 19:35
S109	115	radial near2 (outflow or discharge)near3 orifice	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 19:41
S110	54	S109 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 19:41
S111	79	radial near2 (outflow or discharge)near3 groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 19:47

S112	37	S111 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 19:47
S113	4	"4541789"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 19:52
S114	4851	radial near2 (outflow or discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 20:01
S115	133	S114 and valve and pump and (steering or brake)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/28 20:01
S116	208420	(discharge or outlet) near2 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 11:13
S117	11524	S116 and (piston near2 pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 11:13
S118	10056	S117 and (intake or inlet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 11:14
S119	1223	S118 and (steering or brake) and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 11:15
S120	313	S119 and "417".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 11:15
S121	9490	reciprocating near2 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 11:32
S122	443	S121 and (steering or brake) and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 11:32
S123	1352	S116 and (axial near2 (inlet or intake)) same (radial (outlet or discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 11:57
S124	370	S123 and pump and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 11:57

S125	8	("3421532"   "3916932"). PN. OR ("3983893"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 12:05
S126	488	flow near2 dividing near2 valve	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 12:18
S127	381	S126 and pump	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 12:18
S128	571	(92/181p,181r).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 12:47
S129	200	S128 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 12:47
S130	97	S129 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 12:47
S131	6093	reciprocat\$3 adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 13:03
S132	149	S131 and ((external or radial) near2 (orifice or groove))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 13:04
S133	44	S121 and (axial near2 (inlet or intake)) same (radial (outlet or discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 13:11
S134	637	251/63	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 15:05
S135	230	S134 and pump	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 15:05
S136	806	251/282	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 15:20
S137	239	S136 and pump	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 15:20
S138	402	251/325	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 15:29
S139	348	251/353	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 15:41
S140	124788	flow near2 control near2 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 16:05
S141	1177	S140 and (hollow near2 piston)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 16:06

S142	624	S141 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 16:06
S143	108	S142 and "417".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 16:06
S144	68	S140 and (axial near2 (inlet or flow)) and (radial near2 (outflow or discharge or orifice))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/29 16:11
S145	40	valve with piston with inflow with outflow with channel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 11:48
S146	30136	piston adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 11:53
S147	2864	S146 and "251".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 11:53
S148	819	S147 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 11:53
S149	2667	S146 and "417".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 12:17
S150	188	S149 and (steering or brake)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 12:18
S151	76	S149 and (radial near2 (orifice or groove or hole))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 13:24
S152	196538	(fluid or flow)near2 (metering or control\$3 or regulat\$3)near2 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 13:37
S153	5343	S152 and piston and axial and radial and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 13:38
S154	569	S153 and steering	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 13:38

S155	485	S154 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 13:38
S156	35	S155 and "417".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 13:38
S157	16	S155 and "251".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 13:41
S158	15	"5226802"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 09:36
S159	10	"3751190"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 09:37
S160	33154	F04C 14/24.IPC.	EPO; JPO; DERWENT	OR	ON	2009/11/19 09:38
S161	384	S160 and pump and (flow near2 (control\$3 or regulat \$3))	EPO; JPO; DERWENT	OR	ON	2009/11/19 09:39
S162	22375	flow adj (control\$3 or regulat\$3)adj valve	EPO; JPO; DERWENT	OR	ON	2009/11/19 09:51
S163	158	S160 and S162	EPO; JPO; DERWENT	OR	ON	2009/11/19 09:51
S164	128	S163 and pump	EPO; JPO; DERWENT	OR	ON	2009/11/19 09:51
S165	1	"5431183"	EPO; JPO; DERWENT	OR	ON	2009/11/19 09:56
S166	2	"5431183"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 09:57
S167	7	("2395824"   "3366065"   "3433240"   "3656870"). PN. OR ("5431183"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 09:58
S168	34764	flow adj (control\$3 or regulat\$3)adj valve	US-PGPUB; USPAT	OR	ON	2009/11/19 09:59
S169	19874	S168 and pump	US-PGPUB; USPAT	OR	ON	2009/11/19 09:59
S170	1648	S169 and steering	US-PGPUB; USPAT	OR	ON	2009/11/19 09:59
S171	181	S170 and "417".clas.	US-PGPUB; USPAT	OR	ON	2009/11/19 10:00

S172	97433	f16k 3/26.ipc.	EPO; JPO; DERWENT	OR	ON	2009/11/19 10:18
S173	22375	flow adj (control\$3 or regulat\$3)adj valve	EPO; JPO; DERWENT	OR	ON	2009/11/19 10:20
S174	3007	S172 and S173	EPO; JPO; DERWENT	OR	ON	2009/11/19 10:20
S175	35	S174 and pump and steering	EPO; JPO; DERWENT	OR	ON	2009/11/19 10:23
S176	5	"6041807"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 10:32
S177	36	137/115.05	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 10:36
S178	413	251/356	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 11:14
S179	22375	flow adj (control\$3 or regulat\$3)adj valve	EPO; JPO; DERWENT	OR	ON	2009/11/19 13:50
S180	7	S179 and ((expand\$3 or conical or taper\$3)near2 groove)	EPO; JPO; DERWENT	OR	ON	2009/11/19 13:50
S181	3	"4176683"	EPO; JPO; DERWENT	OR	ON	2009/11/19 13:54
S182	26	"4176683"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/19 13:54
S183	34764	flow adj (control\$3 or regulat\$3)adj valve	US-PGPUB; USPAT	OR	ON	2009/11/19 13:55
S184	0	S183 and ((expand\$3 or conical or taper\$3)near2 groove)	EPO; JPO; DERWENT	OR	ON	2009/11/19 13:55
S185	155	S183 and ((expand\$3 or conical or taper\$3)near2 groove)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/19 13:56
S186	13	("2239148"   "3563272"   "3895703"   "4014360"   "4325400"   "4556078"   "4646786"   "5058626"   "5758683"   "5762134"   "6079694"   "6389809"). PN. OR ("7146998"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/19 16:54
S187	2	"5431183"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 17:10

S188	1	((ANWAR) near2 (ABUMUSTAFA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/13 22:22
S189	58686	flow adj control\$3 adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/07/13 22:24
S190	1397	S189 and (power near2 steer\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/07/13 22:25
S191	184	S190 and pump and "417". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/07/13 22:25
S192	1848	(251/324,325).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/06/21 08:48
S193	561	S192 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 08:48
S194	53632	power near2 steering	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 09:13
S195	0	S194 and pump and piston and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 09:13
S196	5202	S194 and pump and piston and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 09:14
S197	103	S196 and "251". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 09:14
S198	247	S196 and "417". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 09:22
S199	476	S196 and "137". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 09:50
S200	449	S199 not S198	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 09:50

S201	423	S199 not S197	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 09:50
S202	34	S196 and ((conical or expand\$3 or taper\$3) near2 groove)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 10:17
S203	12	S196 and ((conical or expand\$3 or taper\$3) near2 orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 10:30
S204	790	((hydraulic or piston) near2 pump)and ((conical or expand\$3 or taper\$3) near2 (orifice or groove))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 10:35
S205	24	S204 and "251".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 10:35
S206	62	S204 and "137".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 10:36
S207	99	S204 and "417".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 10:40
S208	177894	flow near2 (control\$3 or regulat\$3) near2 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 11:21
S209	2729	S194 and S208	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 11:22
S210	71	S209 and "251".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 11:22
S211	20	("2987293"   "3889709"   "4643227"   "4750704"   "5011113"   "5299600"   "5377720").PN. OR ("5639066").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/21 11:36
S212	353	S209 and "137".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 11:44



S213	242	S209 and "417".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 13:37
S214	208	S213 not S212	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 13:37
S215	1251	S208 and ((conical or expand\$3 or taper\$3) near2 (orifice or groove))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 14:02
S216	1241	S215 not (S212 not S213)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 14:03
S217	59	S215 and steering	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 14:03
S218	13	("2239148"   "3563272"   "3895703"   "4014360"   "4325400"   "4556078"   "4646786"   "5058626"   "5758683"   "5762134"   "6079694"   "6389809"). PN. OR ("7146998"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/21 15:55
S219	96	417/546	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 16:28
S220	247	417/570	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/21 16:52
S221	2	"20050271533"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/22 13:06
S222	6	"5513672"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/23 09:41
S223	9	("3314495"   "4311161"   "4361166"   "5038822"). PN. OR ("5513672"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/23 09:56
S224	9	("3314495"   "4311161"   "4361166"   "5038822"). PN. OR ("5513672"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/23 09:59

S225	9	("3314495"   "4311161"   "4361166"   "5038822"). PN. OR ("5513672"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/23 10:04
S226	9	("4522565"   "4897996"   "5409032"   "5460198"   "5513672"   "5580817"   "5597008"   "5685332"). PN. OR ("6328535"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/23 10:04
S227	9	("2642887"   "2696828"   "4311161"   "5513672"). PN. OR ("6058962"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/23 10:05
S228	9	("2858842"   "2916041"   "4241753"   "4546786"   "5513672"   "5685332"). PN. OR ("6053196"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/23 10:06
S229	13	("2239148"   "3563272"   "3895703"   "4014360"   "4325400"   "4556078"   "4646786"   "5058626"   "5758683"   "5762134"   "6079694"   "6389809"). PN. OR ("7146998"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/23 10:07
S230	18360	reciprocat\$3 near2 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/23 10:20
S231	385	S230 and steering and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/06/23 10:20
S232	70942	((flow near2 (regulating or control\$3) near2 valve)) or (slid\$3 near2 valve)	EPO; JPO; DERWENT	OR	ON	2011/06/23 10:35
S233	132	S232 and (power near2 steering) and piston	EPO; JPO; DERWENT	OR	ON	2011/06/23 10:35
S234	47	S232 and ((expand\$3 or conical or taper\$3) near2 groove)	EPO; JPO; DERWENT	OR	ON	2011/06/23 10:55

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